

FIGURE 4A

1 ACCAGGCGAA CTACGCCTTC AACATTGTTT TTTTAAACAA ACACCGTTTT TTAATTTTAA
 61 TAGCTCTCAT TAAAGGTTTT ATTTGAAGGA AAGTTGTGAC AGCAACCGGA GTCGTTTAGA
 121 ATGGGACTTT GTTGAGTCGG AGGATGGACA TCCCGCGGCC ATCATGCGCC CTCGTATTGG
 181 TGTGTTTATT TGTCACCCAT CTCTCAGAAT GCATGAACGG TGGGAAGATC AACTTTCGAG
 241 AGAAGGAGAA GCAGATCCTG GATCAGATCC TGGGCCCGG GAGGTACGAC GCCAGGATCA
 301 GACCCTCGGG GATCAACGGC ACTGATGGGC CAGCGGTAGT GAGCGTCAAT ATATTTGTCC
 361 GAAGTATATC AAAGATCGAT GACGTCACAA TGAATACTC CGTACAGTTA ACGTTTCGGG
 421 AACAAATGGT AGATGAACGG CTCAAATTCA ATAATCTTGG AGGTCGCCTC AAATACCTGA
 481 CACTGACCGA AGCCAACAGA GTCTGGATGC CTGATCTATT CTTCCTCAAC GAGAAGGAAG
 541 GTCATTTCCA CAACATCATC ATGCCGAACG TGTACATCCG GATCTTCCCC AACGGCAACG
 601 TGCTGTACAG CATCCGAATC TCCTTGACGC TCTCGTGCCC CATGAACCTC AAGTTGTACC
 661 CCCTGGATAA GCAGACCTGC TCGCTCAGGA TGGCTAGTTA TGGTTGGACC ACAGACGACT
 721 TAGTGTTCCT ATGGAAGGAA GGCGACCCGG TGCAGGTGGT GAANAACCTA CACCTGCCTC
 781 GGTTCACGCT GGAGAAGTTC CTTACTGACT ACTGCAACAG TAAGACTAAT ACCGGTGAAT
 841 ACAGTTGCCT GAAGGTAGAC TTGCTCTTCA AACGCGAGTT CAGTTACTAC CTGATCCAGA
 901 TCTACATTCC GTGCTGCATG CTGGTCATCG TGTCTGGGT GTCTTCTGG CTGGACCAGG
 961 GAGCTGTGCC TGCAGGGTTC TCACTAGGAG TGACGACTTT ACTTACAATG GCGACCCAGT
 1021 CGTCAGGCAT CATCCGATCC CTACCACCGG TGTCTACAC GAAAGCCATT GACGTCTGGA
 1081 CTGTTGTATG TCTCACATTC GTATTCGGAG CGCTACTAGA GTTCGCGCTC GTCAACTATG
 1141 CGTCTCGCTC TGACATGCAC CGAGAGAACA TGAAGAAAGC GAGACGGGAG ATGGAAGCAG
 1201 CCAGCATGGA TGCTGCTCA GATCTCCTAG ACACAGATAG CAACACCACC TTGCTATGA
 1261 AACCTTGGT GCGCGCGCGC GTGGTGGAAT CCAAGATGCG GCAGTGCAG ATCCACATCA
 1321 CCCC CGCGG GAAGAACTGC TGCCGCTGT GGTGTCCAA GTTCCCCACG CGCTCCAAGA
 1381 GGATAGACGT CATCTCCAGG ATCACCTTCC CACTTGTGTT CGCTCTGTTT AACCTGGCTT
 1441 ACTGGTCGAC GTACCTGTTT CCGGACGAGG ACGAGGAGAA GTGATTCTCC GAGTCCCTGG
 1501 AGAGGGGCGT GGGGCGCGC GTGCAGCTGG TGGCGGCCGT CGTGATGCCC TACGTGCTGT
 1561 TCGTGGTGGC GACTCGCTG TGCTTCCGCG CGCGCGCCCC GCCCCCTTCG CCCCCGCCG
 1621 CGCCCGCGCC CGCGCCCGCG CCCGCACCTT CCCGCCGCG CGCGCGCGCA CGCACACAAG
 1681 CACACCCACC TAGCCCGCTC TAGCGAACTC ACCCCATTCA TTATCGTGAC ATATTATATT
 1741 ATCGTGTATT TTAATCGACG TCTTCCTCGT GGCAGCGTTA TTCCCACTCA GTATTCGATG
 1801 GCGTTAGTGT AATTAGTAAA GCTCAAGTGT CTATTGTAT ATATATGTGA CCCCCTGCC
 1861 AGTTTAGACC AAGCCTCCGT TTTTAAATG AAGCAGTTCG AGAAAAACGG TAAAAATAGA
 1921 CTCAATTTTG ATTGGTCATC TAAACAGCAG AACTTTTATT CGGCACCTAT AAAGTCCTCA
 1981 ATTATTTGTG TACAAAAATA AATATTTTAC TTTCCGAGAA TTAATAATT TCGATAATT
 2041 TACCAATGAT ATGACTCCTT GTATGGATTC GTATGTAATG TAAACCTAGG TTAAGATATA
 2101 AGAGGAATCC CAGAGTTTCC CGCATATTAC TTTAGCCTTT AAAGTAAGGT AAATAAGGAC
 2161 TAGAATGGCA CTAATGTGTA GTGGAAGTGG GGTATTATTT AGTAGTTTTC ACTCTACAGT
 2221 ACGTGAAGTC GACTAGATCT ACTAGCAAAAT AGAGTTGATC AATTTTCATG TCGAAATGTT
 2281 CACAGATATT GTATAAACCG CTGGAGGTAA ACAGCTATCA ACAATGTAAC ACCAAATACC
 2341 ATCAGAATCA AGCAAAACCA TGGAAATTTT GCTAATCGAA AAGTTGTAAC TGTATTCTA
 2401 TGGCAGGTAT AATTGGCCTA GTAATGTATC GTGTAGTATC ATTTACAACA CATATTAACT
 2461 ATTAACCACA TTATGTGAAA GAAGGAATTT ATAAAAAAA CTTATTATAA TATATATTAG
 2521 ATAAGTATTA TTAATTGGAT ATTCTCTTGC TGGGGATTTT AATATGAATC TTACCTTTAA
 2581 ATAAGTTTGA TCTCACTAGA CGTTGCAAAAT GGATACCCCA AATACCTTTT CCGATTAA
 2641 AGGTATTATT TTAACAAATG TATTCTTCCC CGTCAATGTT TTAAGACTAC GTATCTACAT
 2701 AAAATGATGT ATTGTTTATA CAATACTATT TCAAAATGCA AGAACAACGT AAAGTGCATT
 2761 TCATTGATGT TTGTGTATGT AGATGACATT AGTATTTTAC CCAAAAATAC TGATATTAAA
 2821 ATTCCCAGTA AGATTGCTAG GTAAATGGTA AACGTGTAAA TAGTTGGGCC TACAACTTTC
 2881 TACACCTGTG TCGCTCAGTG TACAGTTACC TATATTTAAT ATTACAATTA TATCATTATT
 2941 AACGAATGAT AAGATTTTAT TAACATTAAT TTCTCTGTCT GAACGTATCA CTGTAAATAT
 3001 TACTAAATGT TTCCTAATTA CATTATTCAT ACATATATTA TCATCCCTTG AGCTATAGTT
 3061 GCAAAGTATT CCAAAACCCAT AATGAAAATA AAATTTCAAT TTACTTCACG ATCACCACAA
 3121 TGTGAAAACC TGGTTGTCTT GAATTCATTT AACAATTAGT TTTTACTTTG AATCCATGGC
 3181 TCAGGGGACA TCCTAAGGAT ATTCATTGAA ATCTATTAG AATCTCGTGT ATGTATCATG
 3241 ACACCTTCAA ATAAAATATC ACTAATGCTG TGTTCGGCTA TTAGATACAA TAAGTCGTAC
 3301 ATATTAACGT AAGCACAATC GTTTTTATTA TGCGGCGGAG AGAACGCATC TGTTTCTATA
 3361 ACGAAAGGGT GGCCATTATC GGCTATATCA TCTTGCTTGG TCTGTATAAA AATAAGAGTC
 3421 AAAGACTCGG GGGAAACCCC TATATGTATA CTATCATAAC CGTTATCCCT ATTTTGACAA
 3481 AGCTCTGGGA AACGAAATAG CATTTTGTCT CAATTACACA ATTCTTGCTC ATTTTCTCT
 3541 TCCGCCTTTT ATTTGAATTT AGGTGTTGCC CACTGTGCGC AATACTCTAA TGGCTTAGAA
 3601 TTATCCTTAA TATATATTCT CGGGCTGTGA CGAGGTGTAG CATCTGCATT ATTATATTAA

FIGURE 4B

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3661 TGTCATTTCG TTTGCCATTC GTTGATGTGA AGGAAATATT AGCCTATGTC CAACGCTCAA
3721 AATCTCATAG ACGTATTAGG CACACATAAG TGTACCTTTT CGTATGTATG TAAATTATTG
3781 GAGACTCAAT GTCTTAGTTG GTGCTATATA TACTACGATC CGAGGAGAAT GTACCCAGTA
3841 GTTTACTCAT ACATAACGCC ACTGATATCT TGTGGAGGAA ATATTATCTG CGAGACAAGT
3901 AGACATTAGT TAAGTTTACA TATTTACAAT AAATGTTTCC ATTATTAGGA TATAACATAT
3961 GAATGTGTTA CTGTTGAAAG CAGCTTCTCA AGGTACCACC AGTAATTCGG AGATACTTGT
4021 AGGATTGCA TTCGATAAAC AACTTATACT AAAACGAAGA TTTGACTGAA TCTAAACCGC
4081 AAATACTGTG GTCAAAATTA TTAACACTT TCAATACATG TTGTACGCAT GTTTCTGTAA
4141 TTTCACATTT AATTGTAAAG TCAATTAAAT CACTGTATAA TAATACATTT TCAACATATC
4201 TCTCACTGTT AAGATTTCGG TTGGTCCAAC GACAGAATCA AATCGCAACG TAATGATGAT
4261 CCGGGCAAAA CTAACAACCTA GATAGATCTC TTAAATGATT ACGTTGAAGT GGAAGAGGTG
4321 ATGTATGAAG GAAGGTAGGA TTAAGTAACA CTGTATAATA TATTGACCAT AATTACGATT
4381 TTAGAAGTCA TAATGGACGG TTTACCTCTT AAGATTATAC AGTAAAGGTA GATAGTTTCA
4441 TTCGTAAGCT ATGTTGTACT CGATTGGTAT GACATAACTA ATGACTGAGC TTTGTCATCT
4501 ACTACAACCC GAGGGCGAAT ACCTCCTTCT TCTACCATTG CCATTTAATT ATAAAGAAAC
4561 ATTGTAAAAA ATGATTTAAT AAAATATCCC AAATATCTTA AAACAAAAA AAAAAAAAAA
4621 A
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